

ABSTRACT

A cannula configured for providing an instrument access to an internal organ or tissue is provided. The cannula includes a shaft having a proximal end, a distal end, and a lumen extending between the proximal end and the distal end, the lumen configured for
5 slidably housing the instrument. The cannula also includes an imaging window mounted on the distal end of the shaft and/or an imaging cable coupled to the imaging window, the imaging cable fixedly secured to the shaft.